

IN THE CLAIMS

This listing of claims replaces all prior listings:

1. (Currently Amended) A battery comprising:

~~a cathode containing an active material capable of inserting and extracting lithium;~~

~~an anode containing an active material capable of inserting and extracting lithium, the anode active material capable of inserting and extracting lithium at a relatively smaller rate than the cathode active material, allowing lithium metal to precipitate on a surface of the anode material during charge; and~~

an electrolyte,

wherein,

said cathode contains an active material capable of inserting and extracting lithium,

said anode comprises an anode current collector and an active material layer made of lithium ions extracted from said cathode and deposited on a surface of said current collector as lithium metal through said electrolyte when said battery is charged and said lithium metal is eluted from said anode active material layer as lithium ions and inserted in said cathode through the electrolytic solution such that said active material layer is dissolved from said surface during battery discharge and

the electrolyte contains anions expressed by Chemical formula 1.

Chemical formula 1

$[B(RF1)(RF2)(RF3)RF4]$

(In Chemical formula 1, each of RF1, RF2, RF3, and RF4 represents a perfluoro alkyl group, of the general formula C_nF_{2n+1} , where $1 \leq n \leq 12$).

2. (Cancelled)

3. (Original) A battery according to claim 1,
wherein the anode contains at least one from the group consisting of a carbon material; a simple substance, alloys, and compounds of silicon (Si); and a simple substance, alloys, and compounds of tin (Sn).

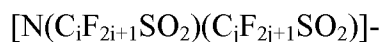
4. (Cancelled)

5. (Currently Amended) A battery according to claim 1, wherein a moisture content in the electrolyte is 100 ppm or less at a mass ~~ratio~~ ratio in relation to the electrolyte.

6. (Original) A battery according to claim 1, wherein the electrolyte contains other anions in addition to the foregoing anions.

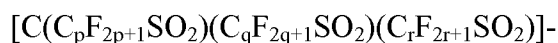
7. (Original) A battery according to claim 6, wherein the electrolyte contains at least one from the group consisting of PF_6^- , BF_4^- , ClO_4^- , ASF_6^- anions expressed by Chemical formula 2, and anions expressed by Chemical formula 3 as the other anions.

Chemical formula 2



(In Chemical formula 2, i and j are integer numbers of 1 or more.)

Chemical formula 3



(In Chemical formula 3, p, q, and r are integer numbers of 1 or more.)

8. (Original) A battery according to claim 7, wherein the electrolyte contains of PF_6^- and at least one from the group consisting of BF_4^- , ClO_4^- , ASF_6^- , anions expressed by Chemical formula 2, and anions expressed by Chemical formula 3 as the other anions.

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)
12. (Cancelled)
13. (Cancelled)
14. (Cancelled)
15. (Cancelled)
16. (Cancelled)
17. (Cancelled)
18. (Cancelled)